Title (en)

METHOD FOR PERFORMING LOCATION UPDATE OF MOBILE STATION IN IDLE MODE

Title (de)

VERFAHREN ZUR STANDORTAKTUALISIERUNG EINER MOBILSTATION IM RUHEMODUS

Title (fr)

PROCÉDÉ D EXÉCUTION D'UNE MISE À JOUR DE LOCALISATION D'UNE STATION MOBILE EN MODE AU REPOS

Publication

**EP 2314087 A4 20150722 (EN)**

Application

**EP 09806818 A 20090810**

Priority

- KR 2009004445 W 20090810
- US 8772808 P 20080810
- KR 20080081595 A 20080820
- KR 20080088481 A 20080908
- KR 20090003435 A 20090115
- KR 20090014899 A 20090223

Abstract (en)

[origin: US2010035633A1] A method for performing location update in various manners when a mobile station (MS) travels between paging groups in a wireless access system. A method for performing location update of an MS includes steps of transmitting a ranging request message (REG-REQ) including mobility information to a base station, wherein the mobility information represent a mobility of the mobile station; and receiving a ranging response message (RNG-RSP) including paging group information related with new paging group from the base station, wherein the new paging group is assigned based on the mobility information.

IPC 8 full level

**H04B 7/26** (2006.01); **H04W 8/02** (2009.01); **H04W 60/04** (2009.01); **H04W 68/00** (2009.01); **H04W 88/02** (2009.01); **H04W 88/08** (2009.01)

CPC (source: EP KR US)

**H04W 28/0226** (2013.01 - KR); **H04W 36/04** (2013.01 - KR); **H04W 60/04** (2013.01 - EP KR US); **H04W 68/00** (2013.01 - KR); **H04W 84/02** (2013.01 - KR); H04W 68/00 (2013.01 - EP US)

Citation (search report)

- [A] EP 1396940 A2 20040310 - NTT DOCOMO INC [JP]
- [A] WO 9511577 A1 19950427 - NOKIA TELECOMMUNICATIONS OY [FI], et al
- [XI] MITSUBISHI ELECTRIC: "Velocity-optimised tracking areas", 3GPP DRAFT; R3-060492, 3RD GENERATION PARTNERSHIP PROJECT (3GPP), MOBILE COMPETENCE CENTRE ; 650, ROUTE DES LUCIOLES ; F-06921 SOPHIA-ANTIPOLIS CEDEX ; FRANCE, vol. RAN WG3, no. Sophia Antipolis, France; 20060330, 30 March 2006 (2006-03-30), pages 1 - 4, XP050159416
- [A] SHANTIDEV MOHANTY (SHANTIDEV MOHANTYIOTANTEL COM) INTEL CORPORATION MUTHAIAH VENKATACHALAM (MUTHAIAH VENKATACHALAMIOTANTEL COM) IN: "Proposal for IEEE 802.16m Paging Area and Paging Cycle Design ; C80216m-08_708r1", IEEE DRAFT; C80216M-08_708R1, IEEE-SA, PISCATAWAY, NJ USA, vol. 802.16m, no. r1, 10 July 2008 (2008-07-10), pages 1 - 23, XP068000976
- See references of WO 2010018956A2

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

DOCDB simple family (publication)

**US 2010035633 A1 20100211**; **US 8335518 B2 20121218**; CN 102119539 A 20110706; CN 102119539 B 20140101; EP 2314087 A2 20110427; EP 2314087 A4 20150722; JP 2011530856 A 20111222; JP 5174967 B2 20130403; KR 20100019300 A 20100218; KR 20100019306 A 20100218; WO 2010018956 A2 20100218; WO 2010018956 A3 20100603

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**US 53847209 A 20090810**; CN 200980131191 A 20090810; EP 09806818 A 20090810; JP 2011522013 A 20090810; KR 20090003435 A 20090115; KR 20090014899 A 20090223; KR 2009004445 W 20090810